Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-16. (canceled)

17. (new) A mobile station configured to conduct wireless communications comprising:

a directional antenna configured to receive a message;

the directional antenna configured to suppress the transmission of an acknowledgement message when the message is correctly received, wherein the suppression of the acknowledgement message forces a retransmission of the message;

the controller configured to steer the directional antenna according to a directional angle;

the directional antenna configured to receive the retransmission of the message at the directional angle;

the controller configured to determine the received signal quality of the retransmission of the message; and

the directional antenna configured to suppress the transmission of an acknowledgement message and receive further retransmissions of the message at new directional angles until a desired received signal quality of the message is achieved.

18. (new) The mobile station of claim 17 wherein:

the controller is configured to record the directional angle of the directional antenna at which the message was received at the desired received signal quality.

19. (new) The mobile station of claim 17 configured as a relay station wherein the directional antenna is configured to receive the message from a first node for delivery to a second node, further comprising:

a controller configured to determine an identification of the second node from an initial portion of the message;

the controller configured to determine, using the second node's identification, a preferred antenna angle for the directional antenna;

the controller configured to steer the directional antenna according to the preferred antenna angle; and

the directional antenna configured to retransmit the message to the second node.

20. (new) The mobile station of claim 19, wherein the directional antenna is operated in an omni-directional antenna mode to receive the message from the first node.

21. (new) The mobile station of claim 19, wherein the controller is configured to determine the identification of the second node utilizing messages at a protocol layer higher than a physical layer.

22. (new) The mobile station of claim 21, wherein the controller is configured to determine the identification of the second node utilizing a preamble portion of a Media Access Control (MAC) protocol layer.

23. (new) The mobile station of claim 22, wherein the controller is configured to determine the identification of the second node comprises utilizing a link layer establishment message of a link protocol layer.

24. (new) The mobile station of claim 23, wherein the link-layer establishment message is a Request To Send (RTS) message.

25. (new) The mobile station of claim 19, wherein determining the preferred antenna angle comprises:

locating the second node's identification in a lookup table storing a predetermined association between a node's identification and its preferred antenna angle; and

determining the preferred antenna angle from the stored association for the second node's identification.

26. (new) The mobile station of claim 25, wherein the second node's identification is an Internet Protocol (IP) address.

27. (new) The mobile station of claim 25, wherein the preferred antenna angle corresponds to the best angle for propagation to the second node.

28. (new) The mobile station of claim 25, wherein the predetermined association between the second node's identification and its preferred antenna angle is determined by:

stepping the antenna through a plurality of directional angles;

receiving a message from the second node at each of the plurality of directional angles;

determining a received signal metric relating to the received signal;

identifying the directional angle having the best received signal metric;

associating the identified angle with the second node; and

recording in the lookup table the association of the identified angle with the second node's identification.

29. (new) The mobile station of claim 28, wherein determining the preferred antenna angle is repeated for a plurality of nodes and the associations of each identified angle with its respective node's identification is stored in a lookup table.

30. (new) The mobile station of claim 28, wherein the received signal metric is selected from the group consisting of: Received Signal Strength Indication (RSSI); Bit Error Rate (BER); noise power level; and combinations thereof.